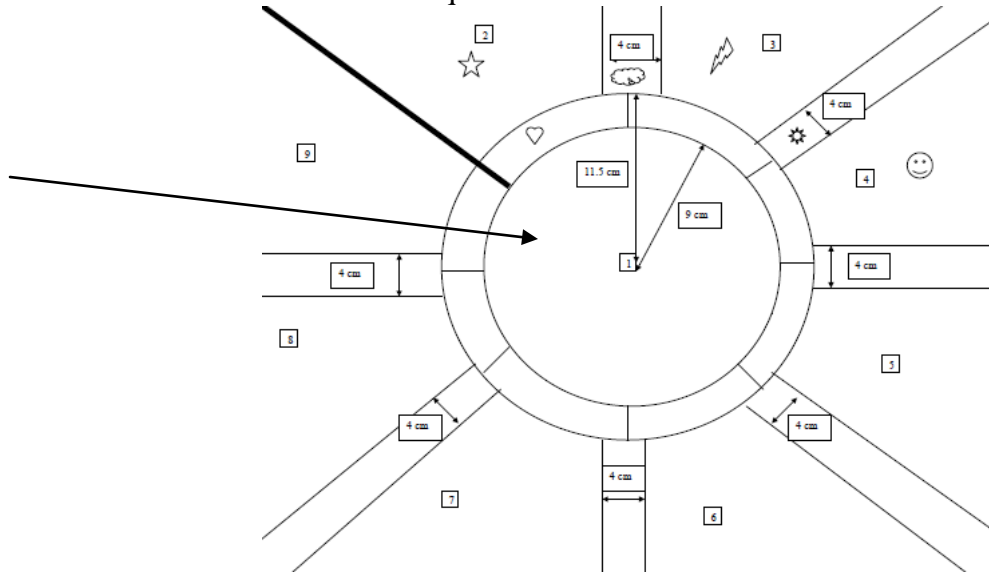


Section 1: DNA

In **section 1** of your second semester map, you will **draw or write everything** that you know about DNA. You are required to at least answer all of the following questions:



1. **Draw** a DNA strand in the form of a:
 - a. Double helix
 - b. Chromatid (show the histones)
 - c. Chromosome
2. **Identify** the Backbone and **label** the following:
 - a. Phosphate molecule (**what** is the function?)
 - b. Deoxyribose molecule (**what** is the function?)
3. **Identify** the nucleotides, (make sure the you have the right ones connected to each other). **What** is this pairing called?
 - a. Adenine
 - b. Guanine
 - c. Cytosine
 - d. Thymine
4. **Draw** DNA replication, **describe** and **identify** the name of the enzymes that do all the work.